

# Method and arrangement for making a handover decision in a mobile communication system

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## Abstract

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The invention relates to a method and arrangement for making a handover decision in a mobile communication system of multilayer radio coverage, which comprises measuring at a mobile station (MS) a radio signal transmitted by a base station (BTS) of a microcell, and reporting the measurement results at substantially regular intervals. The invention is characterized by determining a relative speed for the mobile station on the basis of the number and classification of the measurement results received at substantially regular intervals. Mobile stations moving at a speed slower than the relative speed are defined as slow moving and commanded to register in the base station of a suitable microcell (A, B, C)